

PARTS LIST AND DESCRIPTION (CONTINUED)

RESISTORS

All wattages 1/2 watt, or less, unless otherwise listed.

ITEM No.	RATING	REPLACEMENT DATA		ITEM No.	RATING	REPLACEMENT DATA	
		IRC PART No.	WORKMAN PART No.			IRC PART No.	WORKMAN PART No.
R2	50K			R13	50K		
R3	1000Ω			R14	5000Ω		
R4	1500Ω			R15	1000Ω		
R5	4000Ω			R16	5000Ω		
R6	50K			R17	50K		
R7	1500Ω			R18	5000Ω		
R8	1000Ω			R19	1000Ω		
R9	5000Ω			R20	7000Ω		
R10	5000Ω			R21	10K		
R11	1000Ω			R22	7000Ω		
R12	400K			R23	150Ω		

COILS (RF-IF)

ITEM No.	USE	REPLACEMENT DATA		ITEM No.	USE	REPLACEMENT DATA	
		GLOBAL PART No.	WORKMAN PART No.			GLOBAL PART No.	WORKMAN PART No.
L1	Loop Bar						
L2	Osc.						
L3	1st IF						
L4	2nd IF						
L5	3rd IF						

TRANSFORMER (DRIVER)

ITEM No.	TURNS RATIO	REPLACEMENT DATA		ITEM No.	NOTES
		GLOBAL PART No.	WORKMAN PART No.		
T1	1.5:1	(28A3051)			

TRANSFORMER (AUDIO OUTPUT)

ITEM No.	IMPEDANCE	REPLACEMENT DATA		ITEM No.	NOTES
		GLOBAL PART No.	WORKMAN PART No.		
T2	800Ω CT	(28A3051)			

SPEAKER

ITEM No.	TYPE	REPLACEMENT DATA		ITEM No.	NOTES
		GLOBAL PART No.	WORKMAN PART No.		
SP1	2 1/4" PM 8-Ω				

BATTERIES

ITEM No.	VOLTAGE	REPLACEMENT DATA		ITEM No.	NOTES
		GLOBAL PART No.	WORKMAN PART No.		
M1	9V				

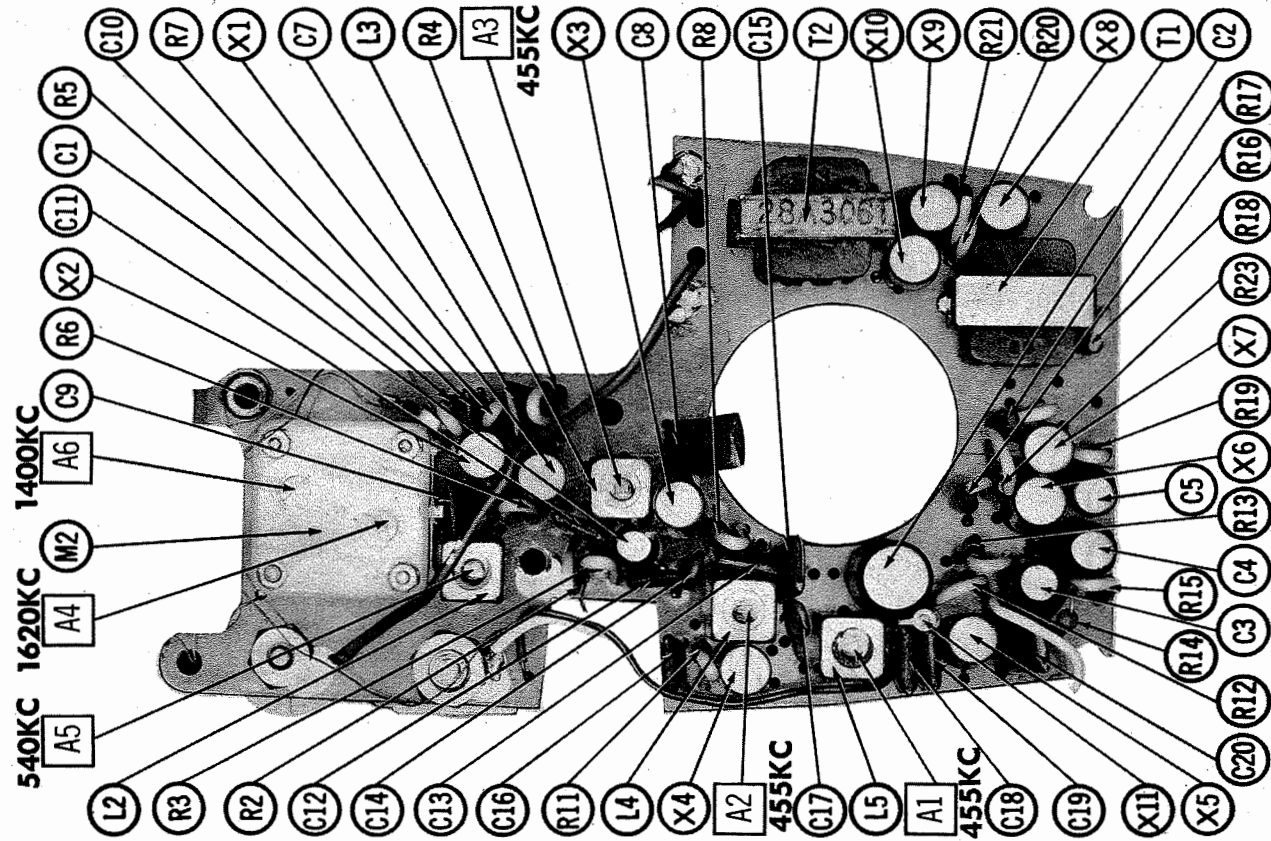
MISCELLANEOUS

ITEM No.	PART NAME	GLOBAL PART No.	NOTES
M2	Tuning Cap.		

WIRING DATA

General-use Unshielded Hook-up Wire ..... Use Belden No. 8530 (Solid 22AWG) Available in 12 Colors			
8524 (Stranded 22AWG)			
8570 (Stranded 28AWG)			

PRINTED BOARD—TOP VIEW



FOLDER 10  
SET 620

PHOTOFACT® Folder

with CIRCUITRACE™

GLOBAL MODEL  
GR-900

GLOBAL MODEL  
GR-900



TRADE NAME Global Model GR-900  
SUPPLIER Global Manufacturing Co., Ltd., 79 Madison Ave., New York, N. Y.  
TYPE SET Battery Operated Transistorized Portable AM Receiver  
POWER SUPPLY 9 Volts DC  
TUNING RANGE - BROADCAST 540 - 1620KC  
RATING 6MA@9 Volts DC (No Signal, Min. Volume)  
10MA@9 Volts DC (Signal, Normal Volume)

ALIGNMENT INSTRUCTIONS

ALIGNMENT INSTRUCTIONS—READ CAREFULLY BEFORE ATTEMPTING ALIGNMENT					
Volume control should be at maximum position. Output of signal generator should be no higher than necessary to obtain an output reading. Suggested Alignment Tools: A1, A2, A3, A5. .... GENERAL CEMENT #8282, 8606, 8606-L, 9091 WALSCO #2526, 2541, 2542, 2543, 2544 A4, A6. .... GENERAL CEMENT #5000, 5003, 5066, 6271, 8272, 8276, 8277, 8290, 8609, 8722, 9150, 9298 WALSCO #2515, 2516, 2518, 2519, 2525, 2541					
SIGNAL GENERATOR COUPLING	SIGNAL GENERATOR FREQUENCY	RADIO DIAL SETTING	INDICATOR	ADJUST	REMARKS
1. Fashion loop of several turns of wire and radiate signal into loop of receiver.	455KC (Unmod.)	Tuning gang fully open.	Output meter across voice coil.	A1, A2, A3	Adjust for maximum output.
2. "	1620KC	"	"	A4	"
3. "	540KC	Tuning gang fully closed.	"	A5	Adjust for maximum output while rocking tuning gang. Repeat Step 2.
4. "	1400KC	1400KC	"	A6	Adjust for maximum output.

HOWARD W. SAMS & CO., INC. Indianapolis 6, Indiana

The listing of any available replacement part herein does not constitute in any case a recommendation, warranty or guaranty by Howard W. Sams & Co., Inc., as to the quality and suitability of such replacement part. The numbers of these parts have been compiled from information furnished to Howard W. Sams & Co., Inc., by the manufacturers of the particular type of replacement LF708

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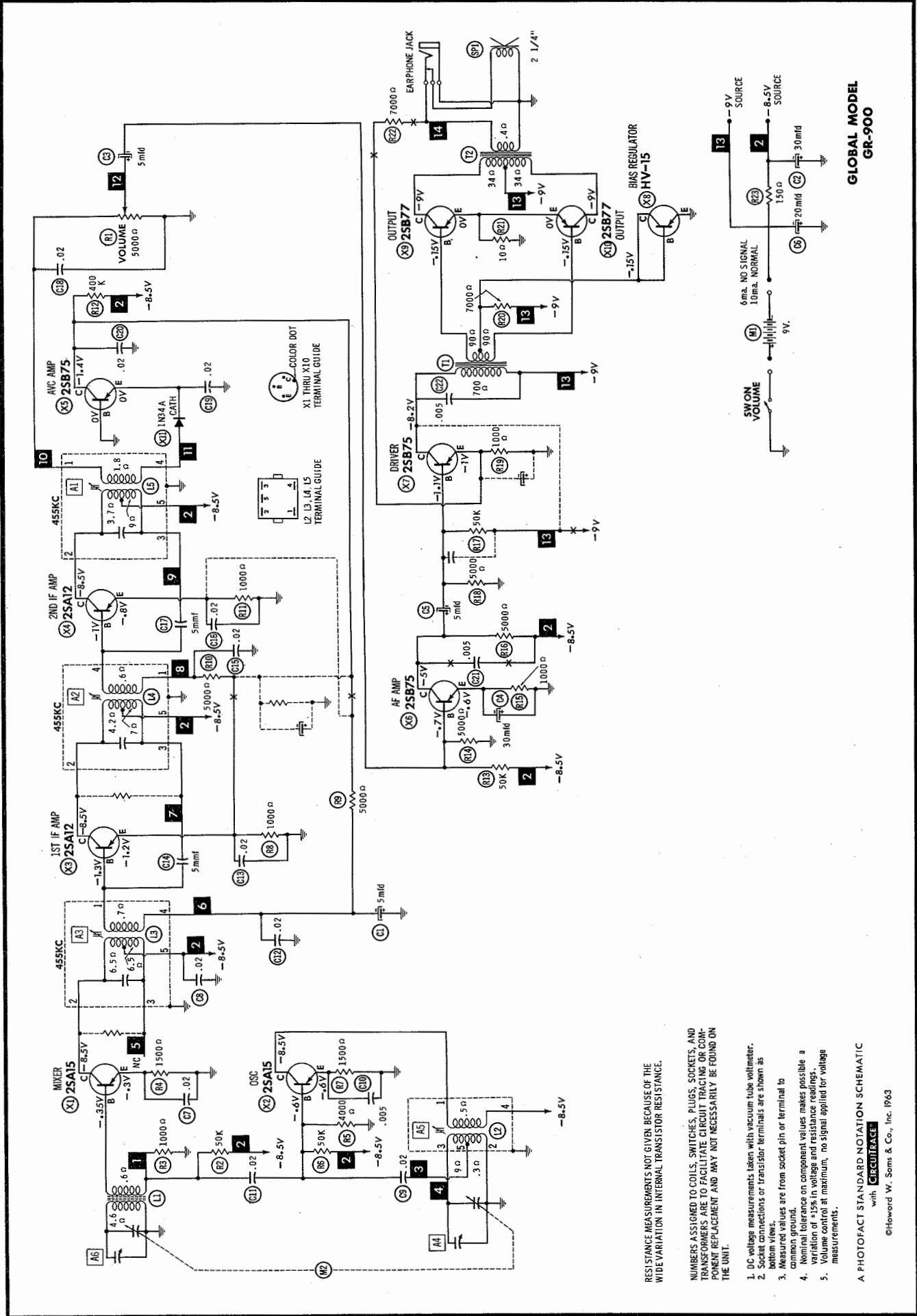
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DATE 2-63

SET 620 FOLDER 10

GLOBAL MODEL  
GR-900

SET 620 FOLDER 10



PARTS LIST AND DESCRIPTION

ITEM No.	ORIG. TYPE	USE	REPLACEMENT DATA			NOTES
			DELCO PART No.	GENERAL ELECTRIC PART No.	RCA PART No.	
X1	2SA15	Mixer	DS25	GE-1	2N406	PNP (Diode Connected)
X2	2SA15	Oscillator	DS25	GE-1	2N406	PNP
X3	2SA12	1st IF Amplifier	DS25	GE-1	2N406	PNP
X4	2SA12	2nd IF Amplifier	DS25	GE-1	2N406	PNP
X5	2SB75	AVC Amplifier	DS25	GE-2	2N406	PNP
X6	2SB75	AF Amplifier	DS25	GE-2	2N406	PNP
X7	2SB75	Driver	DS25	GE-2	2N406	PNP
X8	HV-15	Bias Regulator	DS25	GE-2	2N406	PNP
X9	2SB77	Output	DS25	GE-2	2N406	PNP
X10	2SB77	Output	DS25	GE-2	2N406	PNP

POWER RECTIFIERS & SIGNAL DIODES

ITEM No.	CURRENT RATING (Measured)	ORIGINAL Part or Type No.	RCA PART No.	RECTIFIERS		NOTES
				SARKES TARZIAN PART No.	DIODES	
X11		IN34A			Detector	

ELECTROLYTIC CAPACITORS

ITEM No.	RATING	CAP. VOIT.	GLOBAL PART No.	REPLACEMENT DATA			
				AEROVOX PART No.	CORNEILL DUBILIER PART No.	GENERAL ELECTRIC PART No.	MALLORY PART No.
C1	5	10		CRE404	NLW5-15	MT1-3	SPRAGUE TE-1127
C2	30	10		CRE404	NLW5-15	MT1-3	SPRAGUE TE-1127
C3	5	10		CRE404	NLW5-15	MT1-3	SPRAGUE TE-1127
C4	30	10		BCD10025	NLW20-15	MT1-10	SPRAGUE TE-1180
C5	5	10					
C6	20	10					

FIXED CAPACITORS

ITEM No.	RATING	REMARKS	REPLACEMENT DATA			
			AEROVOX PART No.	CENTRALAB PART No.	CORNEILL DUBILIER PART No.	SPRAGUE PART No.
C7	.02		TTD-02	DDM-203	H05S2	TG-S20
C8	.02		TTD-02	DDM-203	H05S2	TG-S20
C9	.02		TTD-02	DDM-203	H05S2	TG-S20
C10	.005		TTD-005	DDM-502	H05S2	TG-S20
C11	.02		TTD-02	DDM-203	H05S2	TG-S20
C12	.02		TTD-02	DDM-203	H05S2	TG-S20
C13	.02		TTD-02	DDM-203	H05S2	TG-S20
C14	.02		TTD-02	DDM-203	H05S2	TG-S20
C15	.02		TTD-02	DDM-203	H05S2	TG-S20
C16	.02		TTD-02	DDM-203	H05S2	TG-S20
C17	.02		TTD-02	DDM-203	H05S2	TG-S20
C18	.02		TTD-02	DDM-203	H05S2	TG-S20
C19	.02		TTD-02	DDM-203	H05S2	TG-S20
C20	.02		TTD-02	DDM-203	H05S2	TG-S20
C21	.005		TTD-005	DDM-502	H05D5	TG-S20
C22	.005		TTD-005	DDM-502	H05D5	TG-S20

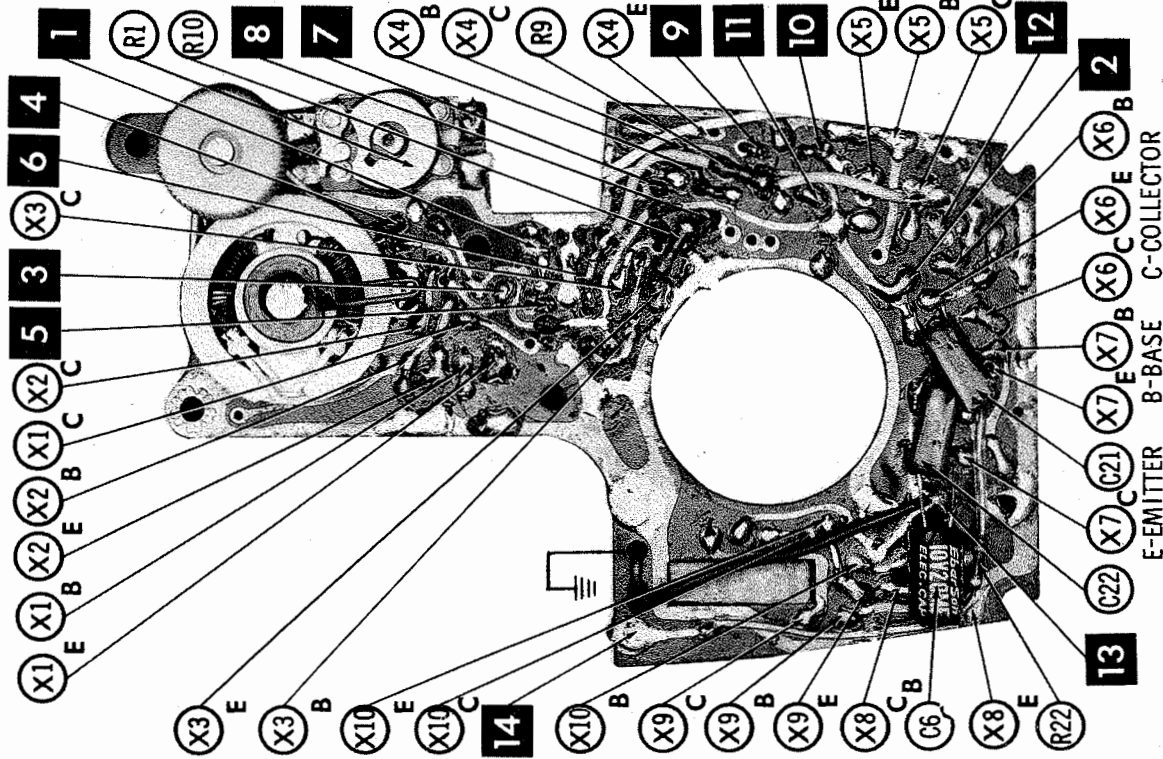
CONTROLS

All wattages 1/2 watt, or less, unless otherwise listed.

ITEM No.	USE	RESISTANCE	REPLACEMENT DATA		
			GLOBAL PART No.	CENTRALAB PART No.	MALLORY PART No.
R1	Volume & Switch	5000Ω			

PRINTED BOARD

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GLOBAL MODEL GR-900